

# Microcomputer Technical Information

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RA78K0 (English-Version Windows) 78K0 Series Assembler Package Upgrade	Document No.	ZBG-CD-04-0027	1/2
	Date issued	June 30, 2004	
Related documents RA78K0 Structured Assembly Language: U11789E RA78K0 Ver.3.70 Assembly Language: U17014E RA78K0 Ver.3.70 Operation: U17015E PM plus Ver.5.20: U16934E RA78K0 V3.70 Operating Precautions: SUD-DT-04-0136	Issued by	Development Tool Group Multipurpose Microcomputer Systems Division 3rd Systems Operations Unit NEC Electronics Corporation	
	Document classification		Usage restriction
		√	Upgrade
			Document modification
		Other notification	

## 1. Product types and version

Product	Outline	Old Version	New Version
μSBB17RA78K0	78K0 Series assembler package RA78K0	Ver. 3.60	Ver. 3.70
Product	Outline	Target Version	
μSBB17SP78K0	78K0 Series software package SP78K0	Ver. 2.00	

## 2. Details of upgrade

The major revisions in RA78K0 Ver. 3.70 are shown below. For details, refer to “78K0 Series Assembler Package RA78K0 Ver. 3.70 Operating Precautions (SUD-DT-04-0136)” supplied with the product.

- (1) Support of space and 2-byte character use for folder name
- (2) Change of message output format and number
- (3) Support of error message highlighted display function and help jump function of PM plus
- (4) Expansion of functions in option dialog box
- (5) Expansion of include file path/library file search path specification function
- (6) Addition of function to specify series-common objects
- (7) Addition of function supporting on-chip debug and security ID
- (8) Change of default of object filling specification function and object address order sort specification
- (9) Enhancement of batch build function
- (10) Addition of history edit function
- (11) The extension “prw” is now linked with PM plus

### 3. How to upgrade

#### (1) $\mu$ SBB17RA78K0

- When CD-ROM medium is not required: Free upgrade

Download the software through ODS (online delivery service). When using this method, the supply medium will not be delivered but the upgrade is free of charge.

**Note** Access the following URL.

<http://www.necel.com/micro/ods/eng/>

- When CD-ROM medium is required: Charged upgrade

Fill in the essential items in the attachment "Application for Software Product Charged Upgrade" and submit it to a distributor or NEC Electronics sales representative. When using this method, a fee will be charged for the upgrade and the CD-ROM medium will be delivered.

The part number to be entered in the form varies depending on the purchased product. The correspondence between the purchased product and the part number after upgrade is as follows.

Purchased Product	Part Number for Charged Upgrade
$\mu$ SBB17RA78K0	$\mu$ SBB17RA78K0-S
$\mu$ SBB17RA78K0-5	$\mu$ SBB17RA78K0-5-S
$\mu$ SBB17RA78K0-10	$\mu$ SBB17RA78K0-10-S
$\mu$ SBB17RA78K0-20	$\mu$ SBB17RA78K0-20-S
$\mu$ SBB17RA78K0-50	$\mu$ SBB17RA78K0-50-S

#### (2) $\mu$ SBB17SP78K0

- Free upgrade (without CD-ROM medium)

Download the upgraded software (RA78K0) through ODS (online delivery service). When using this method, the CD-ROM medium will not be delivered but the upgrade is free of charge. Since this is an upgrade of only one of the components in the SP78K0, only the relevant tool is downloaded.

**Note** Access the following URL.

<http://www.necel.com/micro/ods/eng/>

### 4. Upgrade start date

#### (1) Free upgrade (Windows version, without CD-ROM medium)

The upgraded product can be downloaded through ODS from June 23, 2004.

#### (2) Charged upgrade (Windows version, with CD-ROM medium)

From June 30, 2004

**Application for Software Product Charged Upgrade**

Customers wishing to upgrade the product by “Charged upgrade (with CD-ROM medium)” are requested to fill out the following form and submit it to a **distributor** or **NEC Electronics sales representative**.

Upgrade Product	Version
RA78K0 (English-version Windows)	Ver. 3.70

**Application cut-off date: October 29, 2004**

[To be filled in by customers]

Part No. of charged upgrade product	$\mu$ SBB17RA78K0-
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\* Write the part number of charged upgrade product corresponding to the part number of the product being used. If two or more licenses have been purchased, be sure to write S and numbers after the hyphen.

Serial No. (10 digits)	
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\* Write the 10-digit serial number indicated on the program product license or the CD-ROM case of the product. If the product has already been upgraded, a new serial number has been provided. However, write the serial number provided when the product was first purchased in the above column.

Company name	
Department name	
Name of applicant	
E-mail address	
Date of application	

[To be filled in by the distributor or NEC Electronics sales representative]

Name of distributor	
Person in charge	
Date of application	
Ordering code	

\* The ordering code is required for the charged upgrade. Fill in the code that was used for inputting the order.